StyroGlue Plus Base is a 100% polymer-based, fiber reinforced, water-resistant base coat and adhesive, which is field mixed in a 1:1 ratio by weight with portland cement meeting ASTM C150. StyroGlue Plus is especially designed for areas likely to receive high moisture activity, such as sills, parapets, and sloped locations. StyroGlue Plus may be used as an adhesive and base coat for AkroFlex EIF Systems and skim coat over approved substrates.

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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</thead>
<tbody>
<tr>
<td>Water Resistant</td>
<td>Increased resistance to moisture</td>
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<tr>
<td>Excellent Workability</td>
<td>Easy and quick to apply</td>
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<tr>
<td>Liquid Polymer</td>
<td>Superior bond strength and flexibility</td>
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<tr>
<td>Fiber Reinforced</td>
<td>Additional strength and flexibility</td>
</tr>
<tr>
<td>VOC Compliant</td>
<td>Less than 5 g/L</td>
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**Basic Uses**

StyroGlue Plus Base is designed for use as an adhesive or base coat for the AkroFlex EIF Systems, AkroGold DEF Systems or EPS foam shapes. StyroGlue Plus Base can be used as a skim coat over base coats or approved substrates to add increased moisture resistance.

**Area of Use**

**As an adhesive to attach EPS foam to:**
1. Paper-faced gypsum sheathing
2. Fiberglass mat-faced gypsum sheathing
3. Cement backer board
4. Masonry
5. Poured-in-place and/or tilt-up concrete
6. Expanded Polystyrene (EPS) foam
7. Other approved cementitious substrates

**As a base over coat:**
1. EPS foam board
2. Fiberglass mat-faced gypsum sheathing or cement board
3. EPS foam shapes

**As a skim coat over:**
1. One coat stucco
2. Brown coat
3. Masonry
4. Poured-in-place and/or tilt-up concrete
5. Painted or acrylic based surfaces

**Coverage**
Approximately 180ft$^2$ to 200ft$^2$ (16.7m$^2$ to 18.6m$^2$) as a base coat, and 160ft$^2$ to 190ft$^2$ (14.9m$^2$ to 17.7m$^2$) as an adhesive. Coverage may vary due to ambient temperature, surface temperature, surface porosity, and/or application methods.

**Packaging**
55lb (24.95kg), 5 gallon (18.92L) pails

**Storage**
1. Store pails in a cool, dry location.
2. Store at a temperature between 40°F (4°C) and 90°F (32°C).
3. Store out of direct sunlight.
4. Protect pails from weather and other damage

**Shelf Life**
2 year

**Color**
Natural off-white
**Application Instructions**

**Surface Preparation**

All surfaces to receive application must be structurally sound, clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Ensure that all surfaces are smooth and free of any irregularities. Repair cracks with the appropriate patching material for the existing substrate as needed. Painted or glossy surfaces must be roughened to ensure a proper bond.

**Mixing**

1. Split one pail of StyroGlue Plus Base into two, clean, 5 gallon pails.
2. Add 50%, by volume, of portland cement.
3. Mix thoroughly for approximately 3 to 5 minutes using a paddle mixer.
4. Stop mixing and allow the material to take its initial set.
5. Retemper the material adding a maximum of 8oz of clean, potable water to reach the desired consistency.

**Application**

See the appropriate AkroFlex EIFS ICC-ES Evaluation Report for additional application instructions and requirements.

**For Use as an Adhesive**

1. Apply the StyroGlue Plus Base to the back of the EPS Insulation Board with an approved notched trowel: 3/8 x 3/8 x 1-1/2 for AkroFlex Omega Water Managed Plus System or 3/8 x 1/2 x 1-1/2 Omega AkroFlex Barrier System.
2. Apply the StyroGlue Plus mix coated side of the insulation board to substrate.
3. Ensure that the entire piece of insulation board has been firmly attached to the substrate.
4. Allow the StyroGlue Plus mix to set for a minimum of 24 hours prior to working on the insulation board.

**For Use as a Base Coat**

1. Apply the StyroGlue Plus mix to the substrate a minimum of 1/16" (1.6 mm) thick.
2. Completely embed AkroFlex Reinforcing Mesh into this coat.
3. Trowel smooth, ensuring that no mesh is visible.

**For Use as a Skim Coat**

1. Apply the material to the area needing increased moisture resistance.
2. Application method will vary due to job conditions.

**For Use with EPS Foam Shapes**

1. Apply the StyroGlue Plus mix to the back of the foam shape with an approved notched trowel
2. Firmly apply the StyroGlue mix Base coated side of the foam shape to the substrate.
3. Apply the base coat to the foam shape a minimum of 1/16" (1.6mm) thick.
4. Completely embed Omega Reinforcing Mesh into this coat.
5. Trowel smooth, ensuring that no mesh is visible.

**Curing**

Curing and/or drying time may vary due to climatic conditions. Drying should occur within 24 hours at an ambient and surface temperature of 70°F (21°C) and 55% R.H. When hot, dry, or windy conditions exist, protection should be provided. All freshly applied material must be protected from inclement weather until fully dry. Full adhesion strength should take one to four days. Full curing strength typically occurs in approximately 28 days.

**Limitations**

**DO NOT** apply product when the ambient and surface temperature is below 40°F (4°C). The ambient and surface temperature must maintain the above requirements until fully dry (See CURING). Material that is allowed to freeze before fully drying may suffer irreparable damage.

**DO NOT** add any other materials to the mixture of the product without written approval from Omega Products International.

**DO NOT** deviate in the mixing or application procedures contained in this, or any other Omega Product Data Sheets, without written approval from Omega Products International.

**DO NOT** apply StyroGlue Plus Base if there are contaminants on the receiving surface. Contaminates may include, but are not limited to, dust, debris, efflorescence, and/or oils.

**DO NOT** add any more water than prescribed.

**DO NOT** use a paddle mixer that exceeds 500 RPM.

**DO NOT** leave StyroGlue Plus Base unfinished.

NOTE: Failure to follow manufacturer’s written specifications could result in the following, but not limited to spalling, cracking, peeling, chipping, delamination, discoloration, wash off, and overall system failure.

**Cleaning**

Cleaning may be accomplished with water immediately after use.

**Safety**

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

**KEEP OUT OF REACH OF CHILDREN**